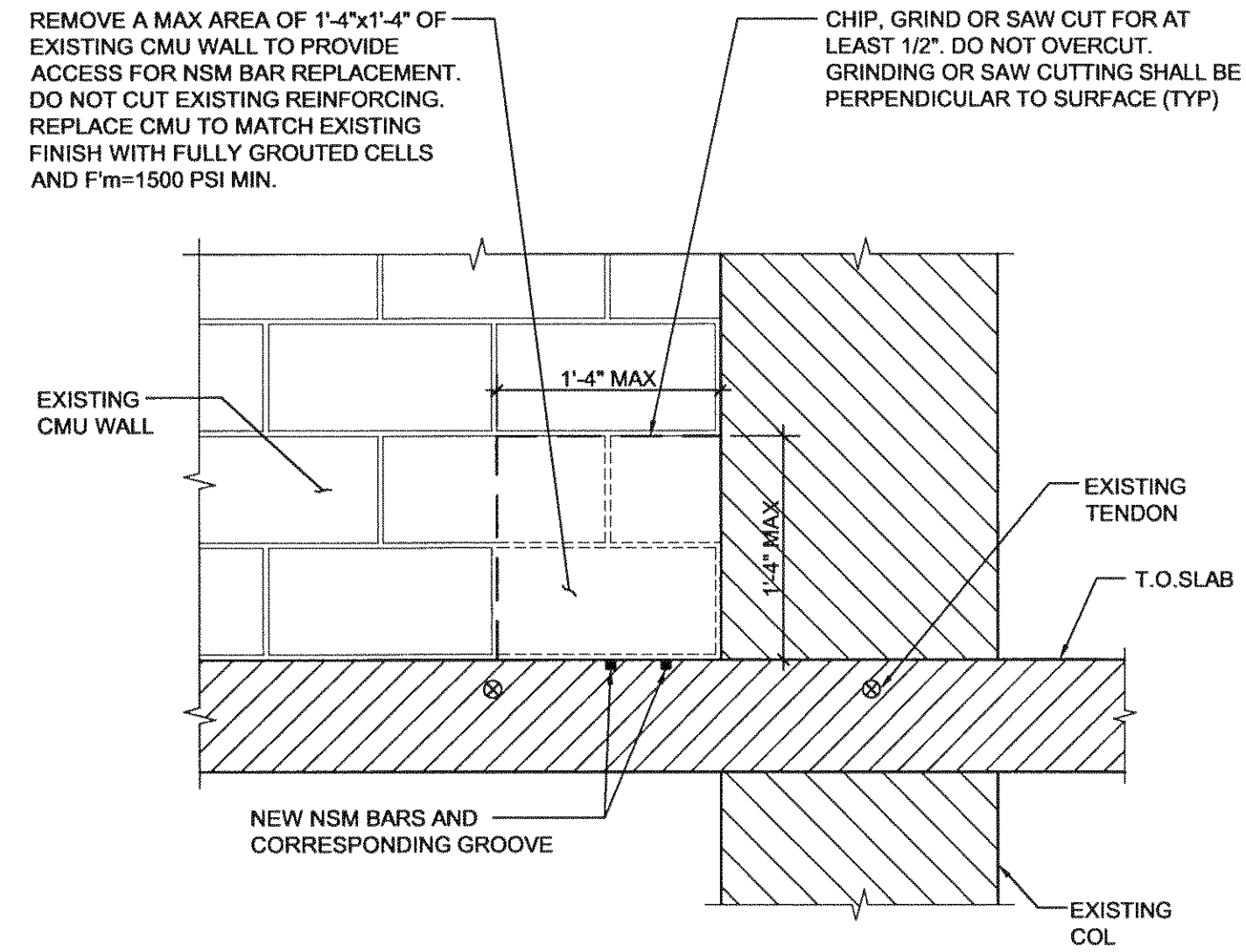


- NOTES:
1. DAMAGED TENDON IS ASSUMED TO BE CORRODED/BROKEN AT ANY HIGH POINT ALONG THE POST-TENSION TENDON.
  2. REFER TO DETAIL 9.3D FOR NSM BAR LAYOUT AND REPAIR.

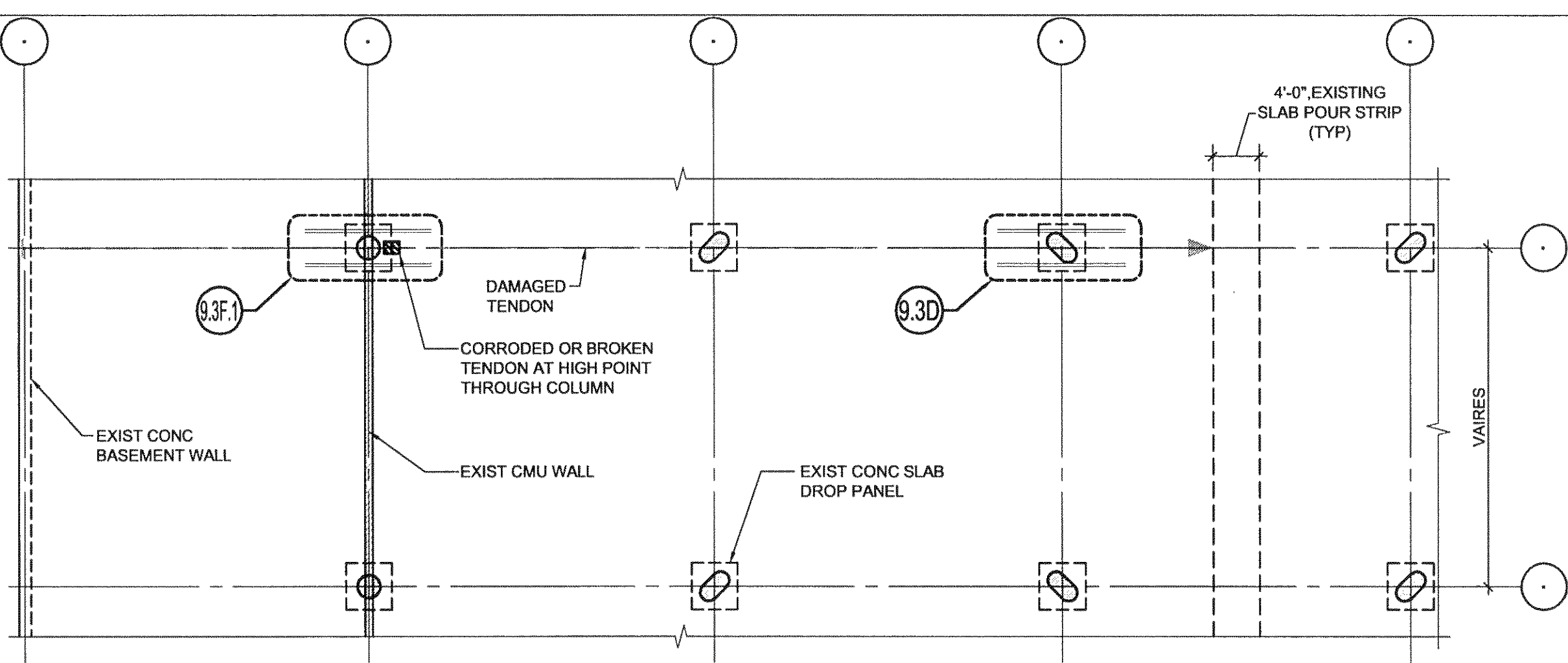
### REPAIR CONDITION - ORTHOGONAL CORRODED/BROKEN TENDON THROUGH COLUMN AT CMU WALL

9.3F.1  
NTS



### REMOVAL AND REPLACEMENT OF EXISTING CMU WALL AT NSM BAR PLACEMENT

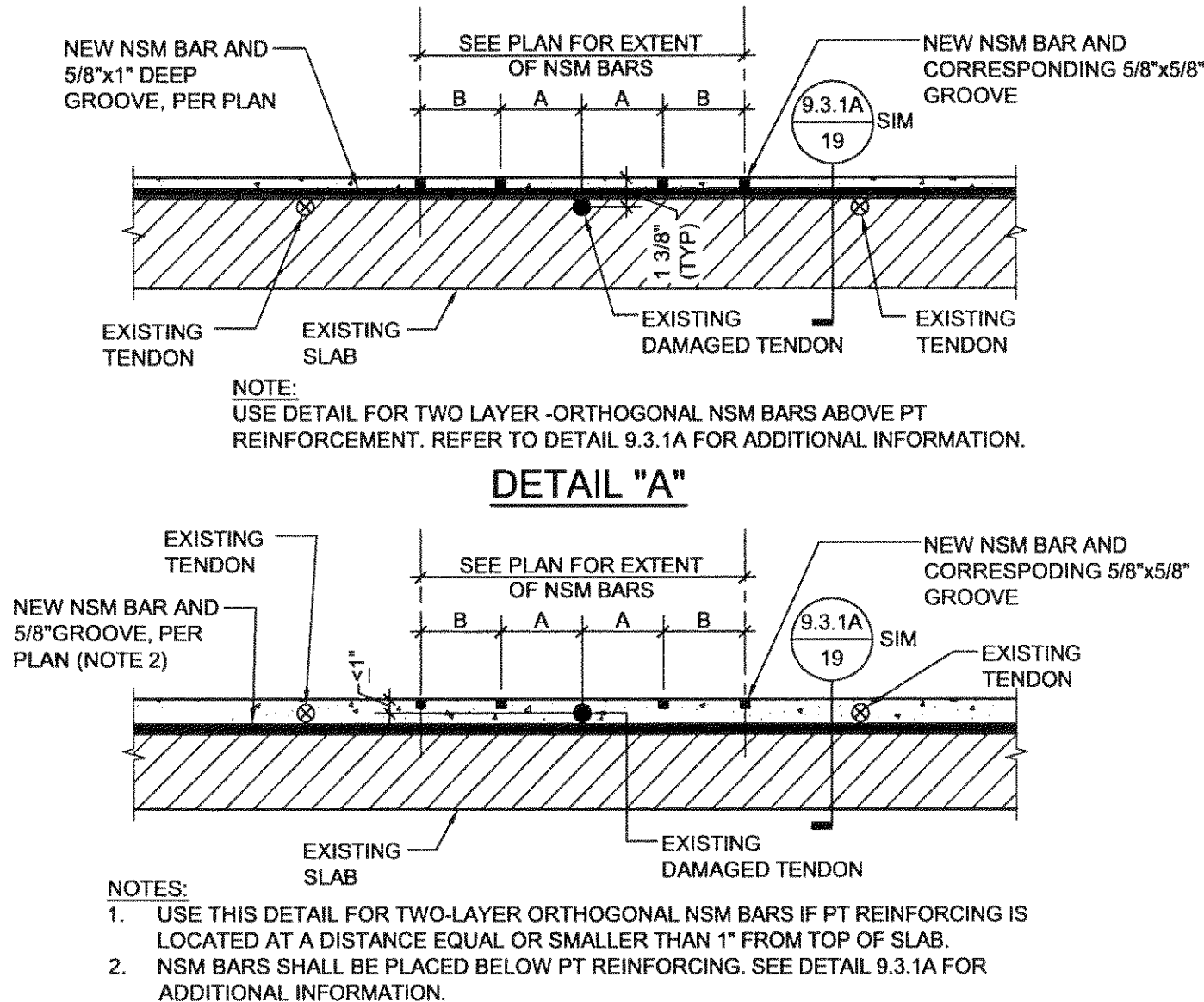
9.3.1D  
NTS



- NOTES:
1. USE THIS DETAIL WHEN A CORRODED/BROKEN PT TENDON IS LOCATED ON AN INTERIOR COLUMN ADJACENT TO BASEMENT WALL AND EXISTING POUR STRIP.
  2. CFRP NSM BARS TO BE LOCATED PER PLAN LAYOUT SHOWN HERE.

### REPAIR CONDITIONS - INTERIOR COLUMN CORRODED/BROKEN TENDON AT CMU WALL

9.3F  
NTS

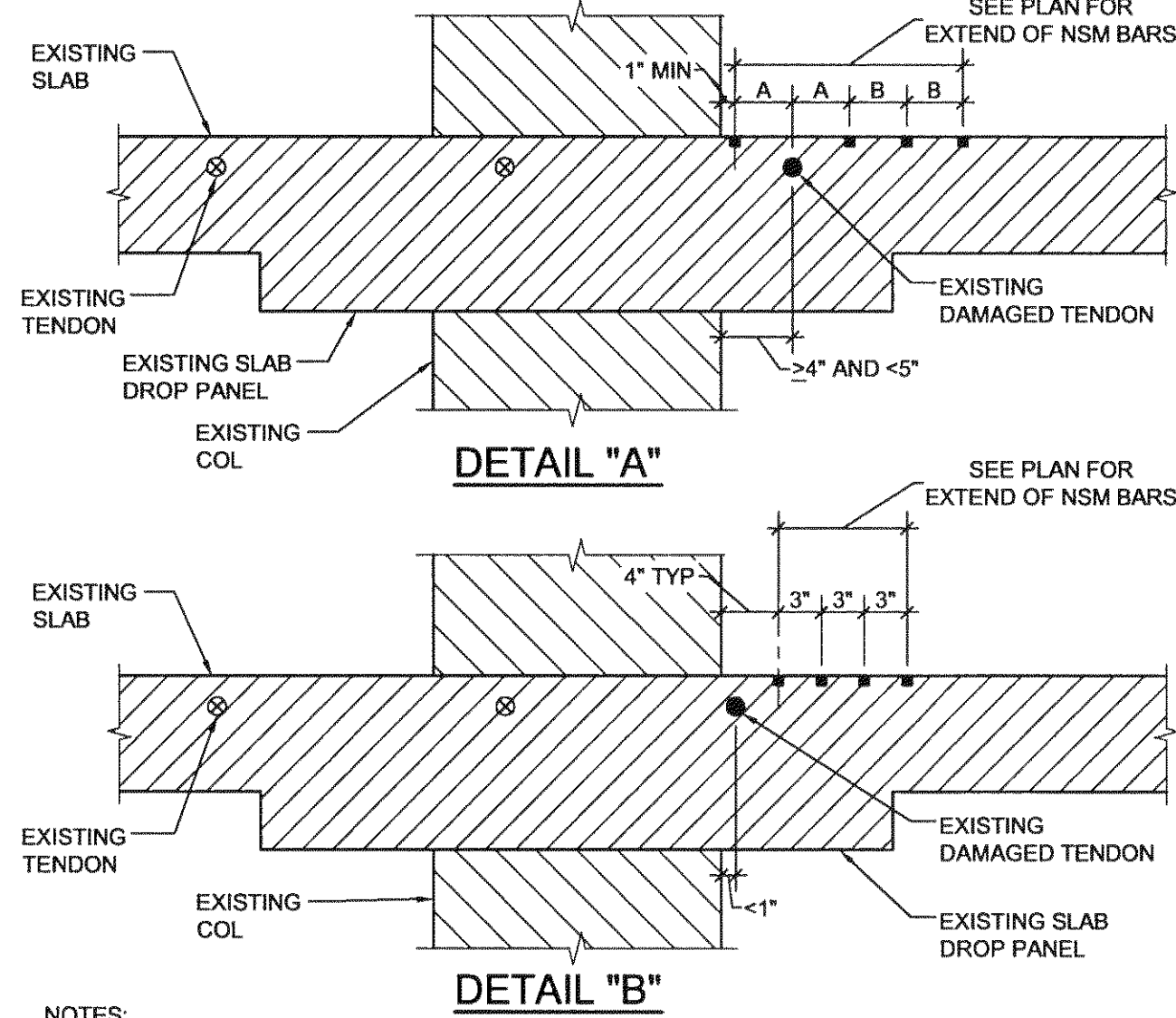


- NOTES:
1. USE THIS DETAIL FOR TWO-LAYER ORTHOGONAL NSM BARS IF PT REINFORCING IS LOCATED AT A DISTANCE EQUAL OR SMALLER THAN 1" FROM TOP OF SLAB.
  2. NSM BARS SHALL BE PLACED BELOW PT REINFORCING. SEE DETAIL 9.3.1A FOR ADDITIONAL INFORMATION.

### DETAIL "B"

### 9.3.1C INTERCEPTING NSM BARS AT TOP OF SLAB

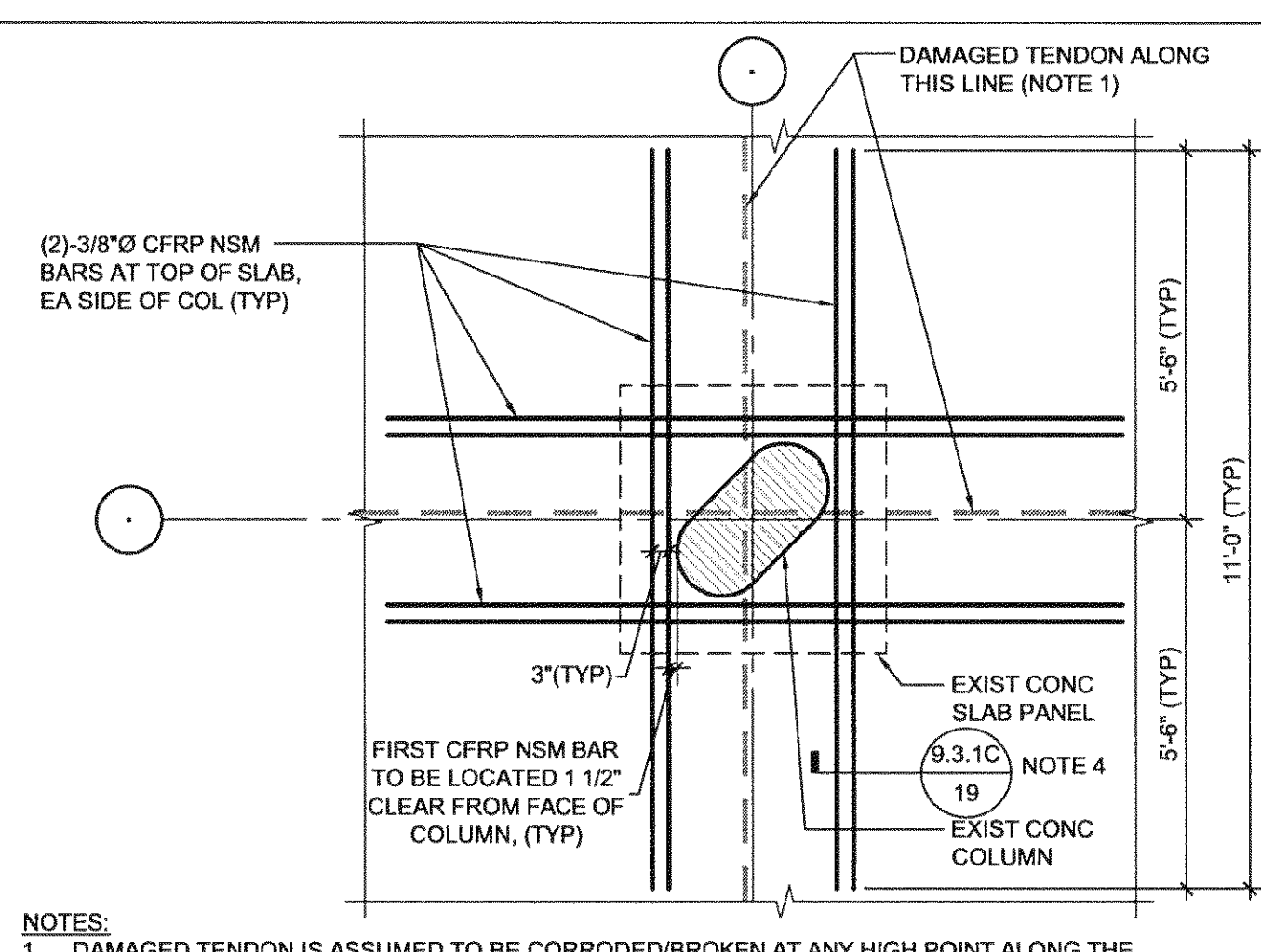
9.3.1C  
NTS



- NOTES:
1. SEE DETAIL 9.3.1A FOR ADDITIONAL INFORMATION.
  2. USE DETAIL 9.3.1A AT OTHER CONDITIONS WHERE DAMAGED TENDON IS LOCATED AT A DISTANCE GREATER THAN 5" FROM FACE OF COLUMN.

### 9.3.1B NSM BARS AT TOP OF SLAB NEAR COLUMN

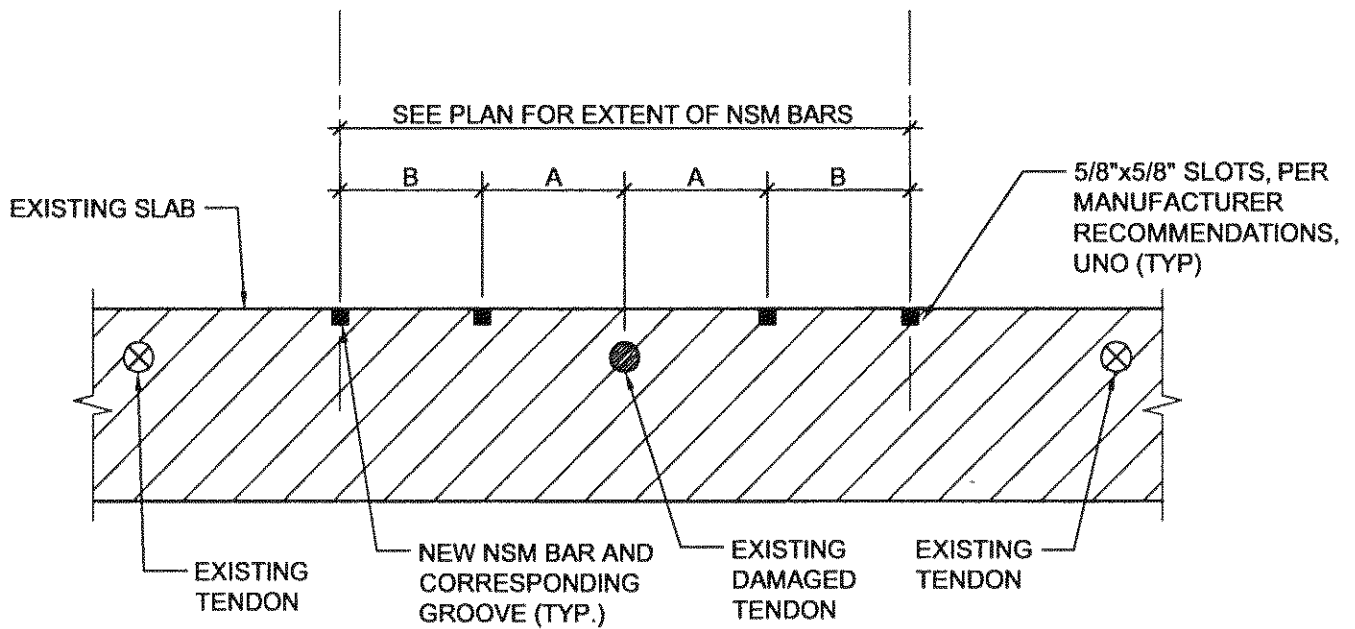
9.3.1B  
NTS



- NOTES:
1. DAMAGED TENDON IS ASSUMED TO BE CORRODED/BROKEN AT ANY HIGH POINT ALONG THE POST-TENSION BUTTON-HEAD TENDON.
  2. DETAIL INDICATES THE NSM STRENGTHENING REPAIR LAYOUT FOR DAMAGED TENDONS AT A HIGH POINT COLUMN SUPPORT ORTHOGONALLY RUNNING THROUGH COLUMN FOOTPRINT.
  3. DETAIL SHALL BE USED IN CONJUNCTION WITH REPAIR SCENARIOS PER 9.3A, 9.3A.1, 9.3A.2, AND 9.3B ON SHEET 18. FOR ALL ADDITIONAL REPAIR LOCATIONS ALONG THE DAMAGED AT TENDONS IN EACH DIRECTION.
  4. SEE DETAIL 9.3.1C FOR NSM BAR LAYOUT AT INTERCEPTING REINFORCEMENT CONDITIONS.

### REPAIR CONDITION - ORTHOGONAL CORRODED/BROKEN TENDON THROUGH COLUMN

9.3E  
NTS



- NOTES:
1. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  2. DO NOT DAMAGE EXISTING TENDONS DURING NSM INSTALLATION.
  3. DO NOT LOCATE NEW NSM BARS DIRECTLY ABOVE TENDON THAT IS PLACED AT THE TOP PORTION OF THE SLAB. KEEP DIMENSION "A" EQUAL TO 3".
  4. SPACING BETWEEN NSM (DIMENSION "B") SHALL BE AT LEAST 2" BUT NO MORE THAN 4".
  5. SEE PLAN FOR ACTUAL NUMBER OF NSM BARS.
  6. CENTER ALL NSM BARS AROUND DAMAGED TENDON UNLESS NOTED OTHERWISE ON DRAWINGS.

### 9.3.1A NSM BARS AT TOP OF SLAB

9.3.1A  
NTS

<b>WALTER P MOORE</b>  <small>WALTER P. MOORE AND ASSOCIATES, INC. 1501 MCKINNEY, SUITE 1100 HOUSTON, TEXAS 77010.3572 PHONE: 713.630.7300 FAX: 713.630.7393</small>	<small>Walter P. Moore and Associates, Inc. TBPE Firm Registration No. 1856</small> 
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### CITY OF HOUSTON BUILDING SERVICES DEPARTMENT

THEATER DISTRICT PARKING –  
STRUCTURAL ASSESSMENT  
AND REPAIRS DRAWINGS FOR  
BIDDING AND CONSTRUCTION  
**DETAILS**

FILE NO. C62164
WBS NO. B-000087-0002-4
DRAWING SCALE
VERT. AS SHOWN HORIZ. AS SHOWN
CITY OF HOUSTON PM
JAMES REDDINGTON, JR.
SHEET NO. <b>19</b> OF <b>20</b>